

h1

Sub 51

1. (Six Times Amended) A device for inducing local bone or cartilage formation, comprising:

a purified osteogenic protein capable of inducing repair of endochondral bone, or cartilage, chondral, or osteochondral defects, said purified osteogenic protein being isolated from naturally-occurring sources or produced by recombinant DNA techniques;

a matrix; and

a binding agent selected from the group consisting of mannitol, dextran, cellulose, white petrolatum, and derivatives thereof;

wherein the device does not comprise a synthetic polymer matrix or a demineralized bone matrix.

h2

Sub 52

17. (Three Times Amended) A device for inducing local bone or cartilage formation, comprising at least approximately 1.25 mg of purified OP-1 and at least approximately 180 mg of carboxymethylcellulose per 1000mg of collagen matrix, wherein said purified OP-1 is isolated from naturally-occurring sources or produced by recombinant DNA techniques.

h3

Sub 53

20. (Five Times Amended) A device for inducing local cartilage or bone formation comprising a purified osteogenic protein capable of inducing repair of endochondral bone, or cartilage, chondral, or osteochondral defects and a carrier, wherein said carrier comprises one part binding agent and 10 or fewer parts (w/w)

matrix, and said purified osteogenic protein is isolated from naturally-occurring sources or produced by recombinant DNA techniques.

---

Sub 34

24

23. (Five Times Amended) A device for inducing local bone or cartilage formation comprising a purified osteogenic protein capable of inducing repair of endochondral bone, or cartilage, chondral, or osteochondral defects and a carrier, wherein said carrier comprises 10 or fewer parts (w/w) binding agent and 1 part matrix, and said purified osteogenic protein being isolated from naturally-occurring sources or produced by recombinant DNA techniques.

---

Sub 35

25

31. (Twice Amended) A device for inducing local bone or cartilage formation comprising:  
purified OP-1;  
collagen matrix; and  
carboxymethylcellulose;  
wherein said purified OP-1 is isolated from naturally-occurring sources or produced by recombinant DNA techniques.

---